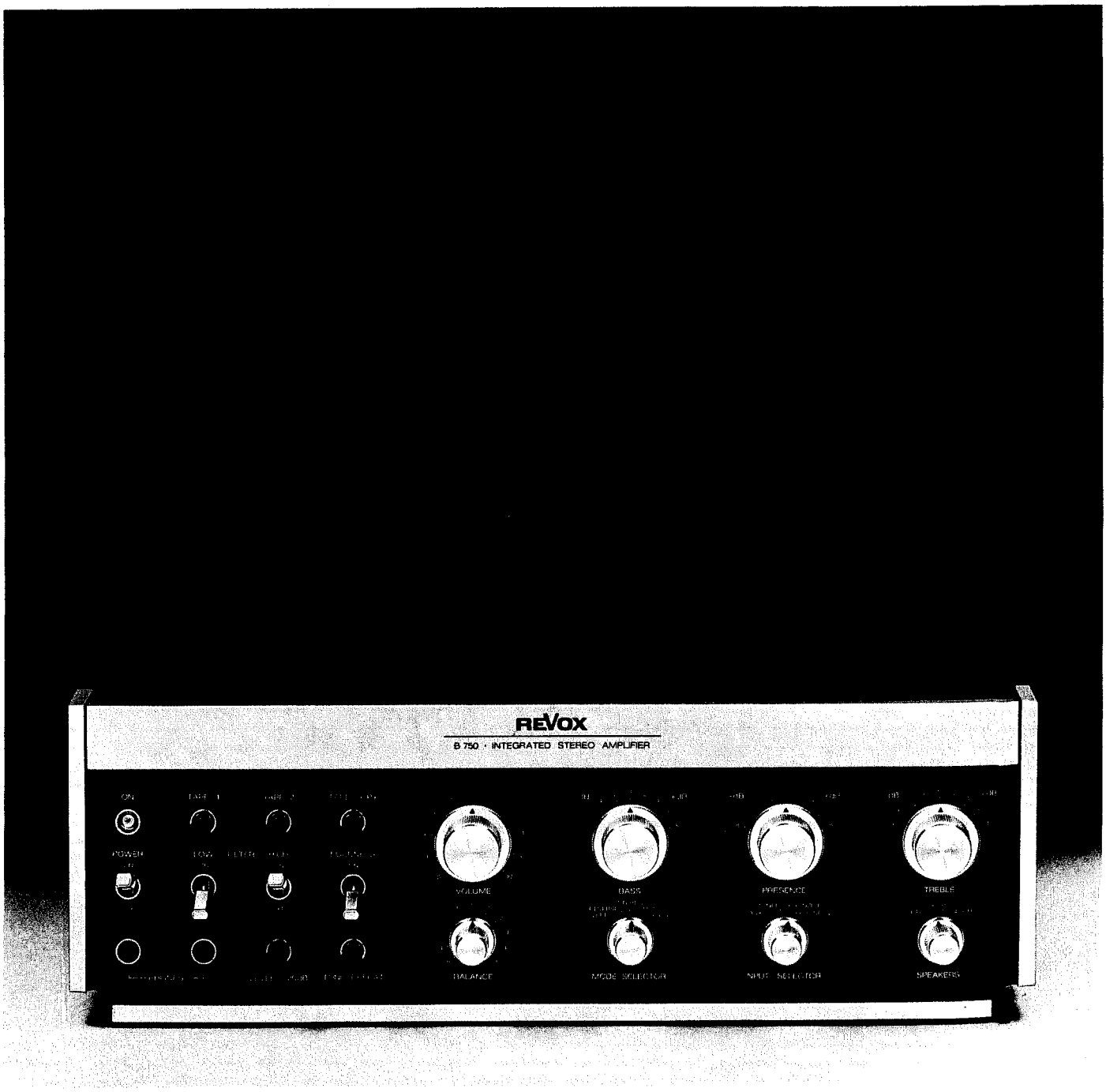
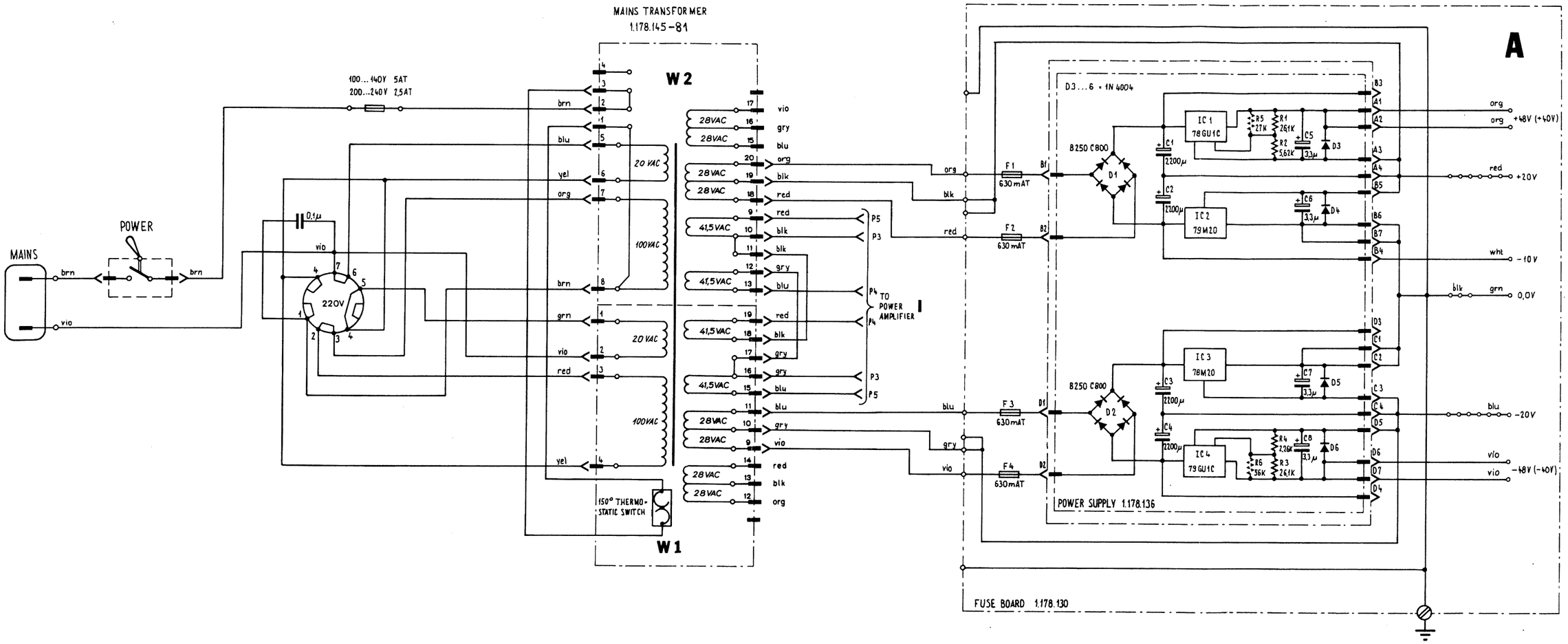
B750 / MK II

SCHALTUNGSSAMMLUNG SET OF SCHEMATICS
RECUEIL DE SCHÉMAS

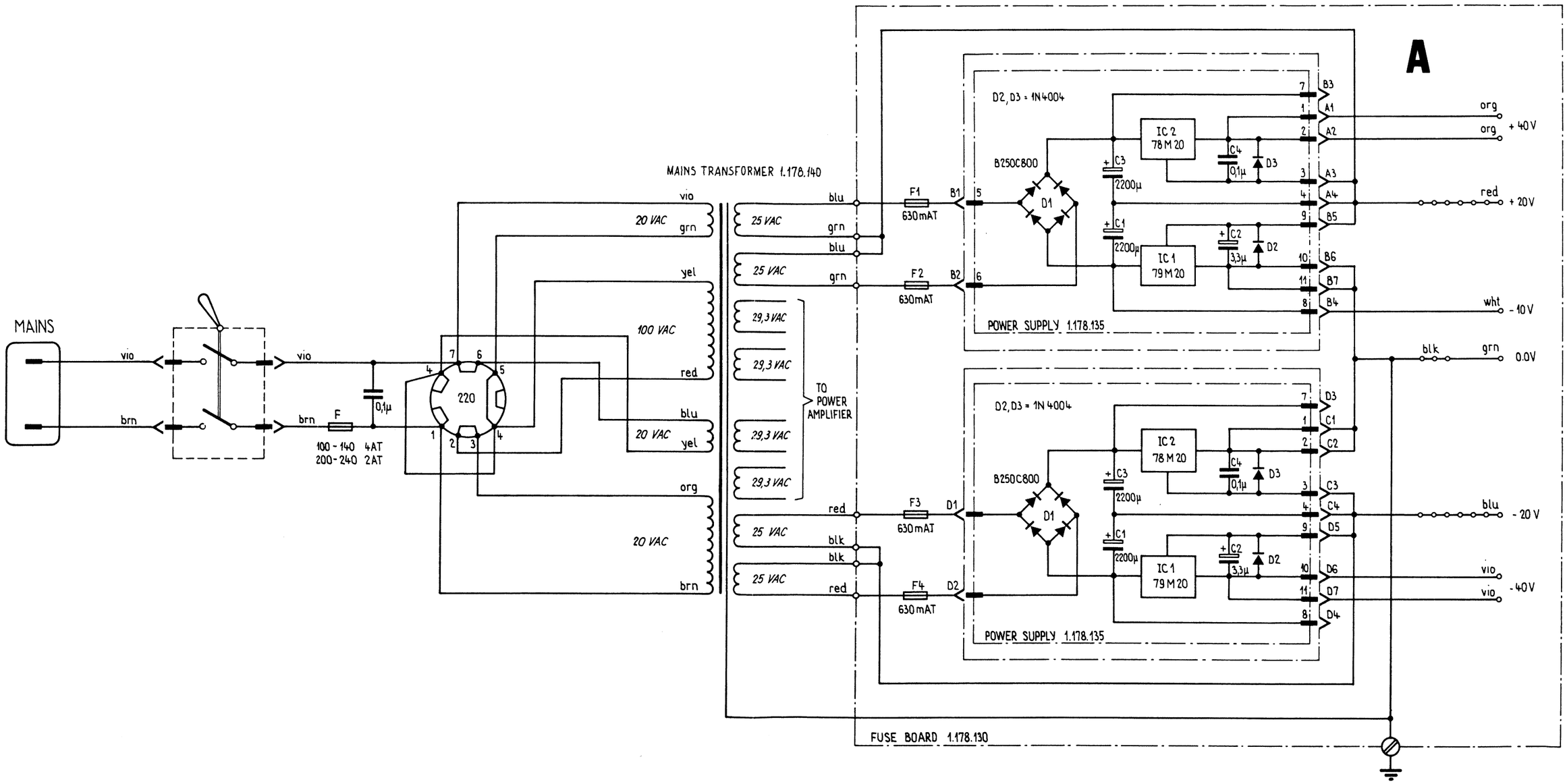


DIAGRAMS LIST

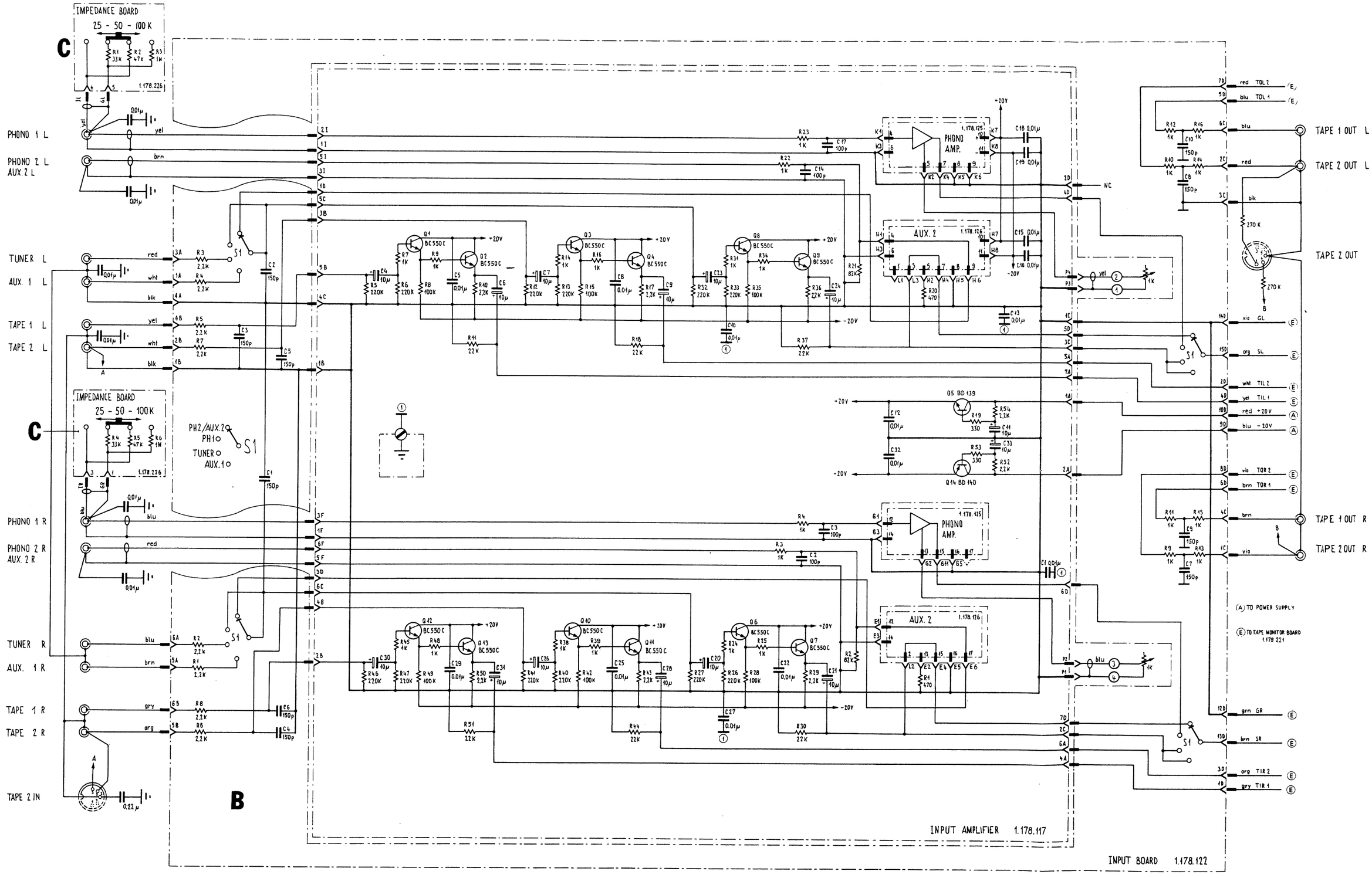
POWER SUPPLY UNIT MK I	A	
POWER SUPPLY		1.178.135
FUSE BOARD		1.178.130
MAINS TRANSFORMER		1.178.140
POWER SUPPLY UNIT MK II	A	
POWER SUPPLY		1.178.136
FUSE BOARD		1.178.130
MAINS TRANSFORMER		1.178.145 - 81
INPUT UNIT ED1	B	
INPUT AMPLIFIER		1.178.115
INPUT BOARD		1.178.120
IMPEDANCE BOARD	C	1.178.226
INPUT UNIT ED2	B	
INPUT AMPLIFIER		1.178.117
INPUT BOARD		1.178.122
IMPEDANCE BOARD	C	1.178.226
PHONO AMPLIFIER	D	1.178.125 - 81
B750 BLOCK DIAGRAM ED1/ED2		
FILTER AND BALANCE AMPLIFIER UNIT	F	
FILTER BOARD		1.178.201
FILTER AMPLIFIER		1.178.206
BALANCE AMPLIFIER		1.178.210
TONE CONTROL BOARD		1.178.200
TONE CONTROL UNIT	G	
TONE CONTROL BOARD		1.178.200
TONE CONTROL AMPLIFIER		1.178.216
TAPE MONITOR BOARD	E	1.178.221
PROTECTION CIRCUIT	H	1.178.110
POWER AMPLIFIER UNIT MK I	I	1.178.100
POWER AMPLIFIER MK I		1.178.105
POWER AMPLIFIER UNIT MK II	I	1.178.101
POWER AMPLIFIER MK II		1.178.106
WIRING DIAGRAM		



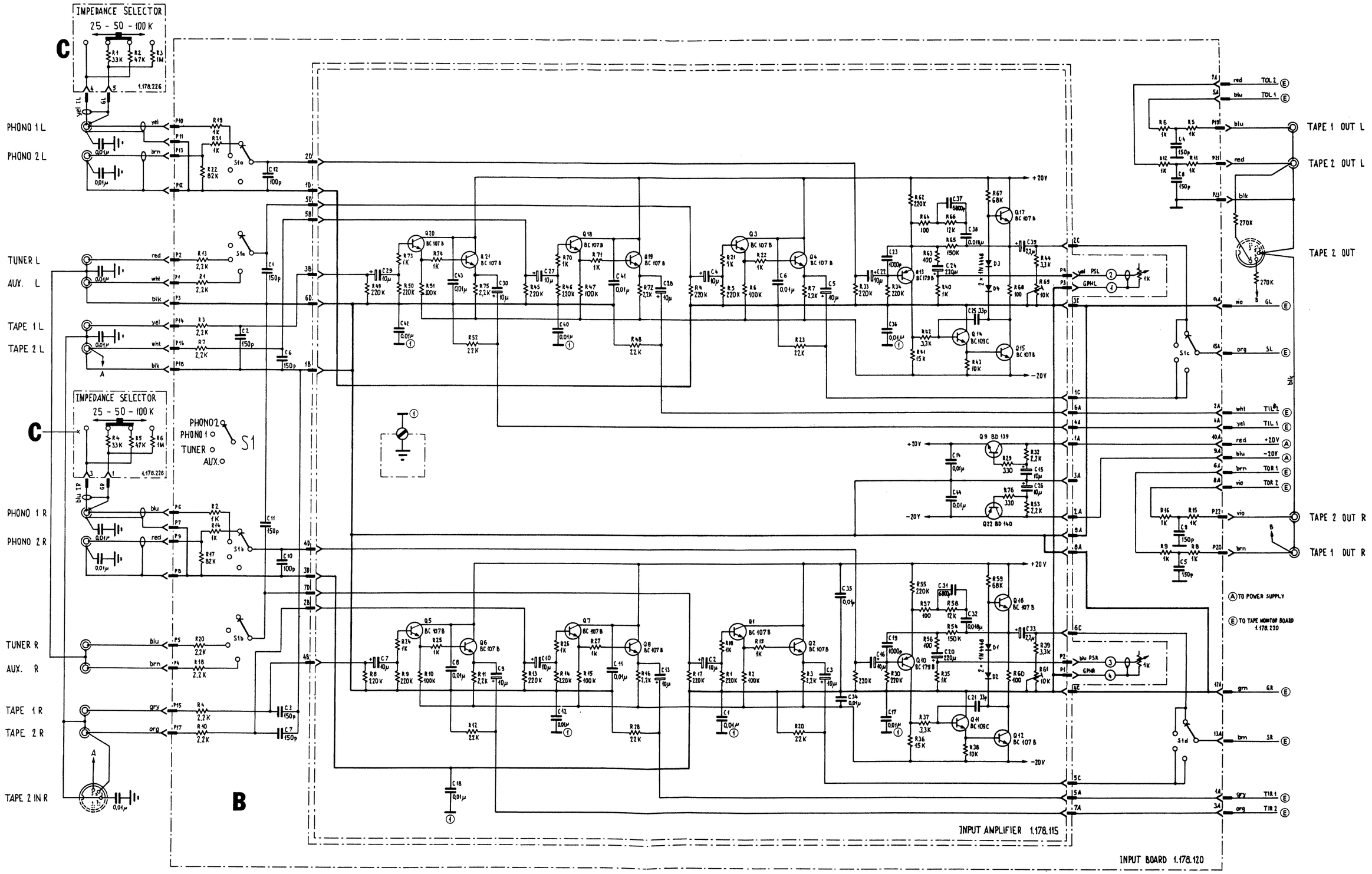
POWER SUPPLY UNIT MK II



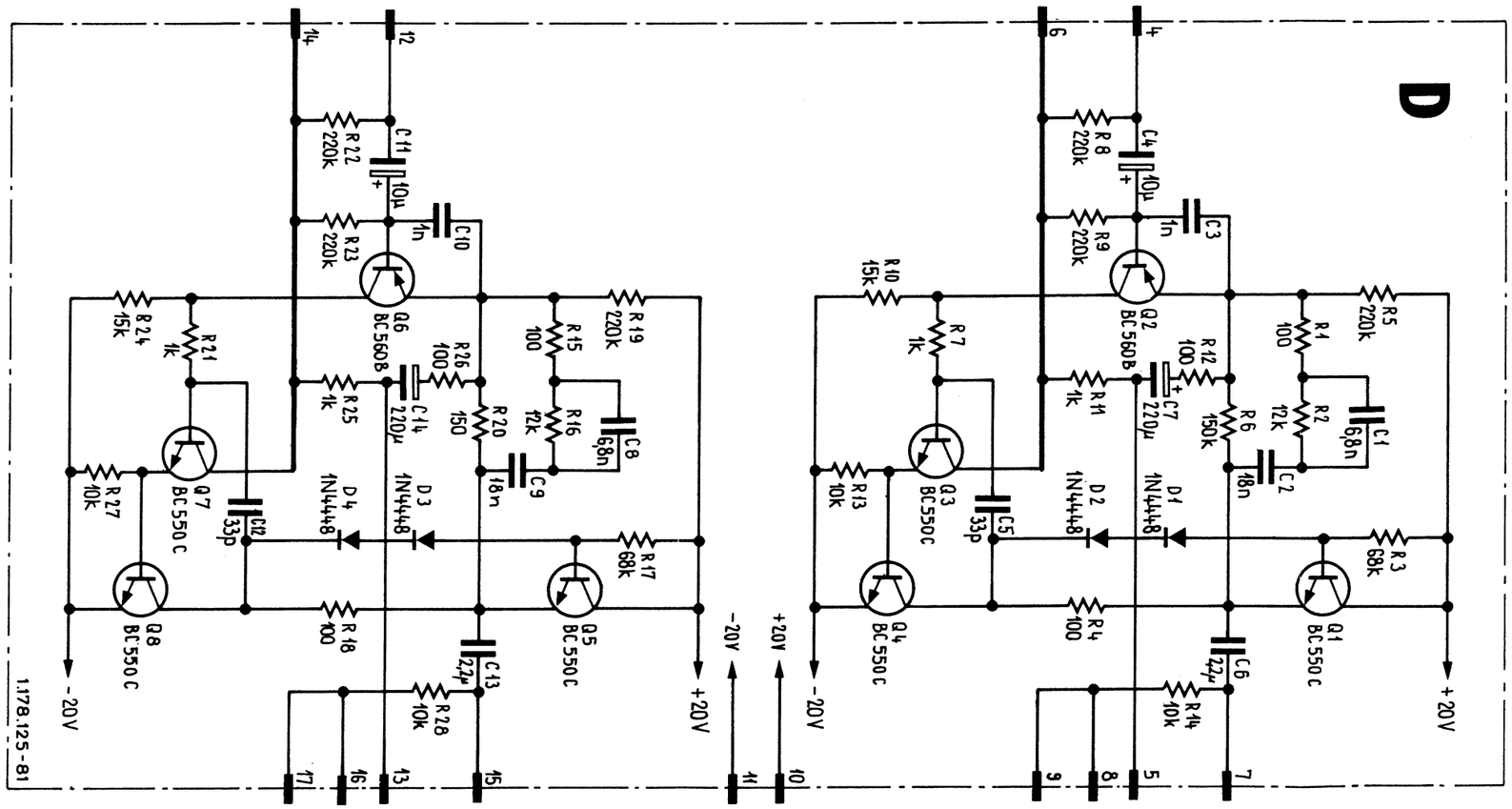
POWER SUPPLY UNIT MK I



INPUT UNIT ED 2



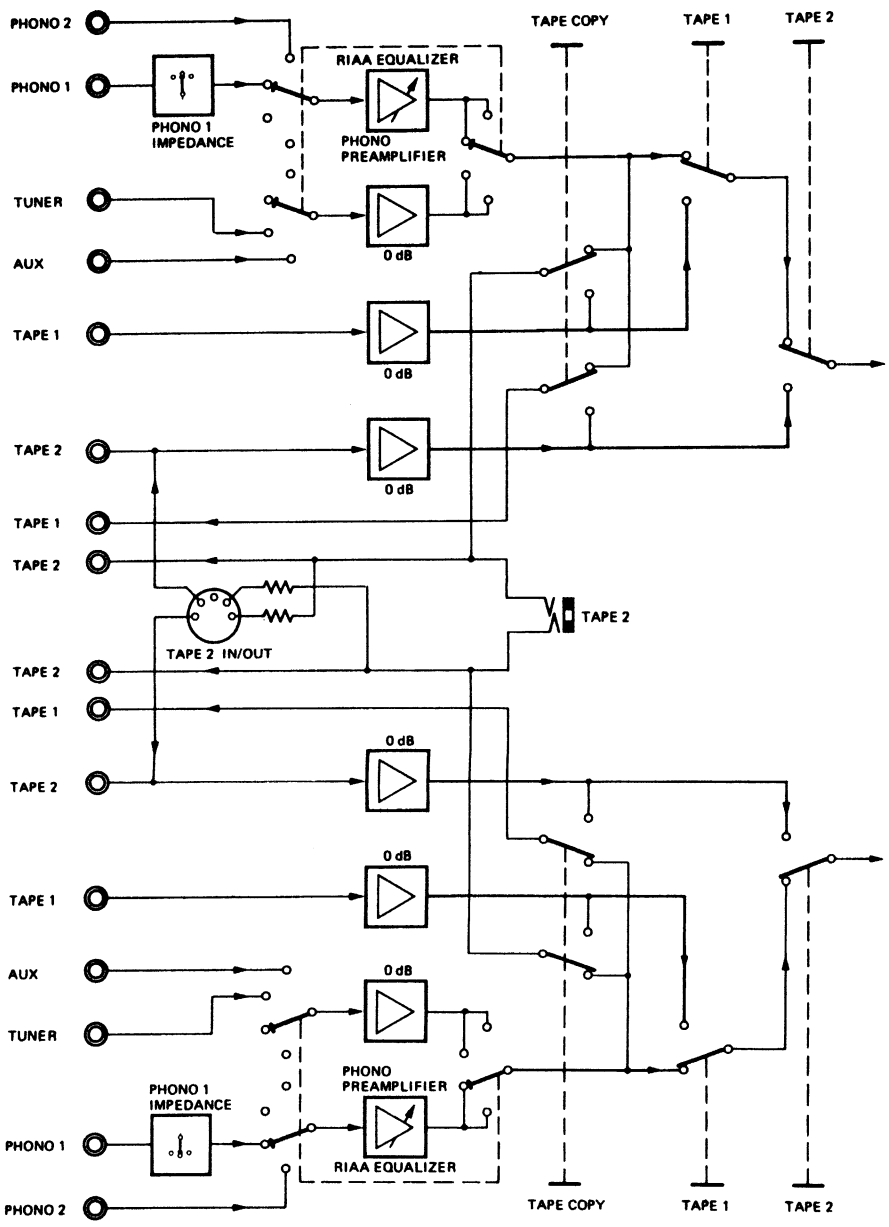
INPUT UNIT ED 1



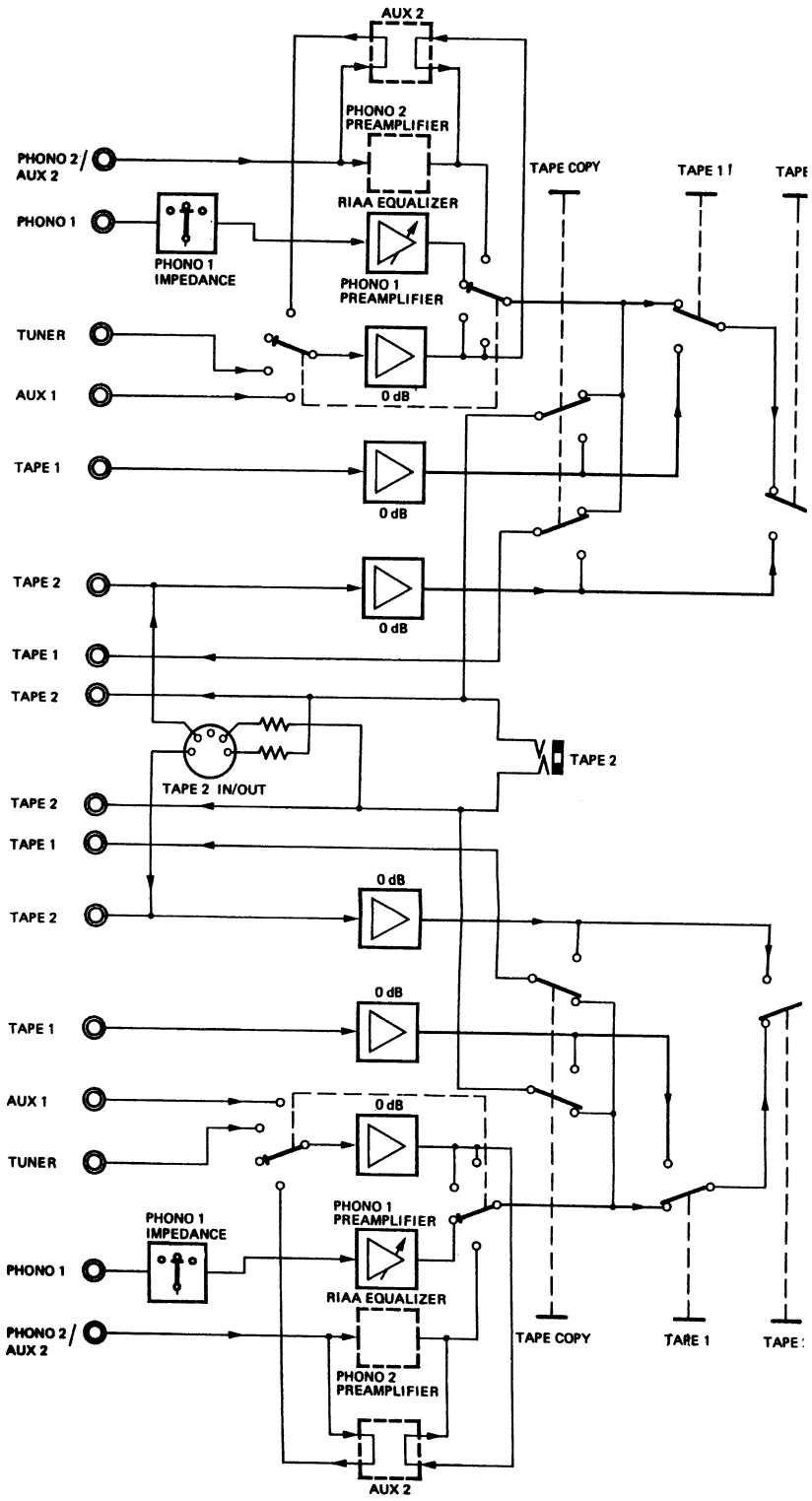
THE FOLLOWING COMPONENTS CHANGE, IF THE VOLUME POTENTIOMETER HAS TO BE REPLACED BY THE NEW VERSION OF POTENTIOMETER 1.178.090.02 :

C6 / C13 = 2,2 µF

R14 / R28 = 10k


PHONO 2
PHONO 1
PHONO 1 IMPEDANCE
RIAA EQUALIZER
PHONO PREAMPLIFIER
TAPE COPY
TAPE 1
TAPE 2
TUNER
AUX
TAPE 1
0 dB
TAPE 2
TAPE 1
TAPE 2
TAPE 2 IN/OUT
TAPE 2
TAPE 2
TAPE 1
TAPE 2
TAPE 1
AUX
TUNER
PHONO 1 IMPEDANCE
PHONO PREAMPLIFIER
PHONO 1
PHONO 2
RIAA EQUALIZER
TAPE COPY
TAPE 1
TAPE 2

ED 1


AUX 2
PHONO 2 PREAMPLIFIER
PHONO 2/ AUX 2
PHONO 1
PHONO 1 IMPEDANCE
RIAA EQUALIZER
PHONO 1 PREAMPLIFIER
TAPE COPY
TAPE 1
TUNER
AUX 1
0 dB
TAPE 1
TAPE 2
TAPE 1
TAPE 2
TAPE 2 IN/OUT
TAPE 2
TAPE 2
TAPE 1
TAPE 2
TAPE 1
AUX 1
TUNER
PHONO 1
PHONO 2/ AUX 2
PHONO 1 IMPEDANCE
PHONO 1 PREAMPLIFIER
RIAA EQUALIZER
PHONO 2 PREAMPLIFIER
TAPE COPY
TARE 1
AUX 2

ED 2

TONE CONTROL BOARD 1.178.200

G

F red +20V → +20V

F blk TC-L 11

F blu -20V → -20V

F yel 0.0V 10

F wht TC-R 9

F gry 0.0V 8

R8 6390 5630 5370 5190 5190 5370 5630 6390 +6 +4 +2 0 -2 -4 -6 -8 S3a

R7 8870

R2 710 650 670 700 700 670 650 710 +8 +6 +4 +2 0 -2 -4 -6 -8

C3 0,15µ

C6 220p

R18 1,65k

C5 4700p

S1a

C2 0,15µ

R17 8450

R9 6390 5630 5370 5190 5190 5370 5630 6390 +6 +4 +2 0 -2 -4 -6 -8 S3b

R11 8870

R1 710 650 670 700 700 670 650 710 +8 +6 +4 +2 0 -2 -4 -6 -8

C4 0,15µ

C8 220p

R10 1,65k

C9 4700p

S1b

C7 0,15µ

R12 8450

1.178.216

2 D +20V C1 0,47µ R7 22k R11 68k Q5 BC 107B R1 47 R2 47 D1 D2 C2 22µ R3 1M R15 100 Q1 BC 179B Q2 BC 179B R4 10k C5 47p Q6 BC 107B R12 1,8k R16 47 -20V

1 D 3 D 4 D 5 D 6 D +20V -20V C16 0,01µ

R5 619 732 1020 1050 1050 1020 732 619 +6 +4 +2 0 -2 -4 -6 -8 S2a

R14 6,81k R4 1M C1 0,01µ R13 5,23k C10 0,012µ R19 4,53k R3 6,81k

1.178.216

2 A +20V C1 0,47µ R7 22k R11 68k Q5 BC 107B R1 47 R2 47 D1 D2 C2 22µ R3 1M R15 100 Q1 BC 179B Q2 BC 179B R4 10k C5 47p Q6 BC 107B R12 1,8k R16 47 -20V

1 A 3 A 4 A 5 A 6 A +20V -20V C14 0,01µ

R6 619 732 1020 1050 1050 1020 732 619 +6 +4 +2 0 -2 -4 -6 -8 S2b

R21 6,81k R16 1M C15 0,01µ R25 5,23k C12 0,012µ R24 4,53k R22 6,81k

TONE CONTROL AMPLIFIER 1.178.216

7 D +20V C3 0,47µ R9 22k R13 68k Q7 BC 107B R5 47 R8 47 D3 D4 C4 22µ R10 1M R17 100 Q3 BC 179B Q4 BC 179B R6 10k C6 47p Q8 BC 107B R14 1,8k R18 47 -20V

10 D 8 D 9 D

TONE CONTROL AMPLIFIER 1.178.216

7 A +20V C3 0,47µ R9 22k R13 68k Q7 BC 107B R5 47 R8 47 D3 D4 C4 22µ R10 1M R17 100 Q3 BC 179B Q4 BC 179B R6 10k C6 47p Q8 BC 107B R14 1,8k R18 47 -20V

10 A 8 A 9 A

R20 330 11B wht TCOL

R19 330 12B org TCL

8B wht PAL

7B gry WPG

5C org PAL

2C vio GPL

vio 22 vio PRE AMP OUT LEFT

org 21 org PWR AMP IN LEFT

TL

gry 20 gry

I

7C red +20V

2C C14 0,01µ

4C blk 0.0V

1C NC

6C C13 0,01µ blu -20V

A

R26 330 4B yel TCOR

R23 330 10B brn TCR

brn 23 brn PRE AMP OUT RIGHT

yel 24 yel PWR AMP IN RIGHT

SEPARATED

brn 16 brn

I

TR

NORMAL

TONE DEFEAT

S4

3B yel SA 11 yel

2B vio -40V 10 vio

OFF

A

B

S4

1B gry SB 9 gry

A+B

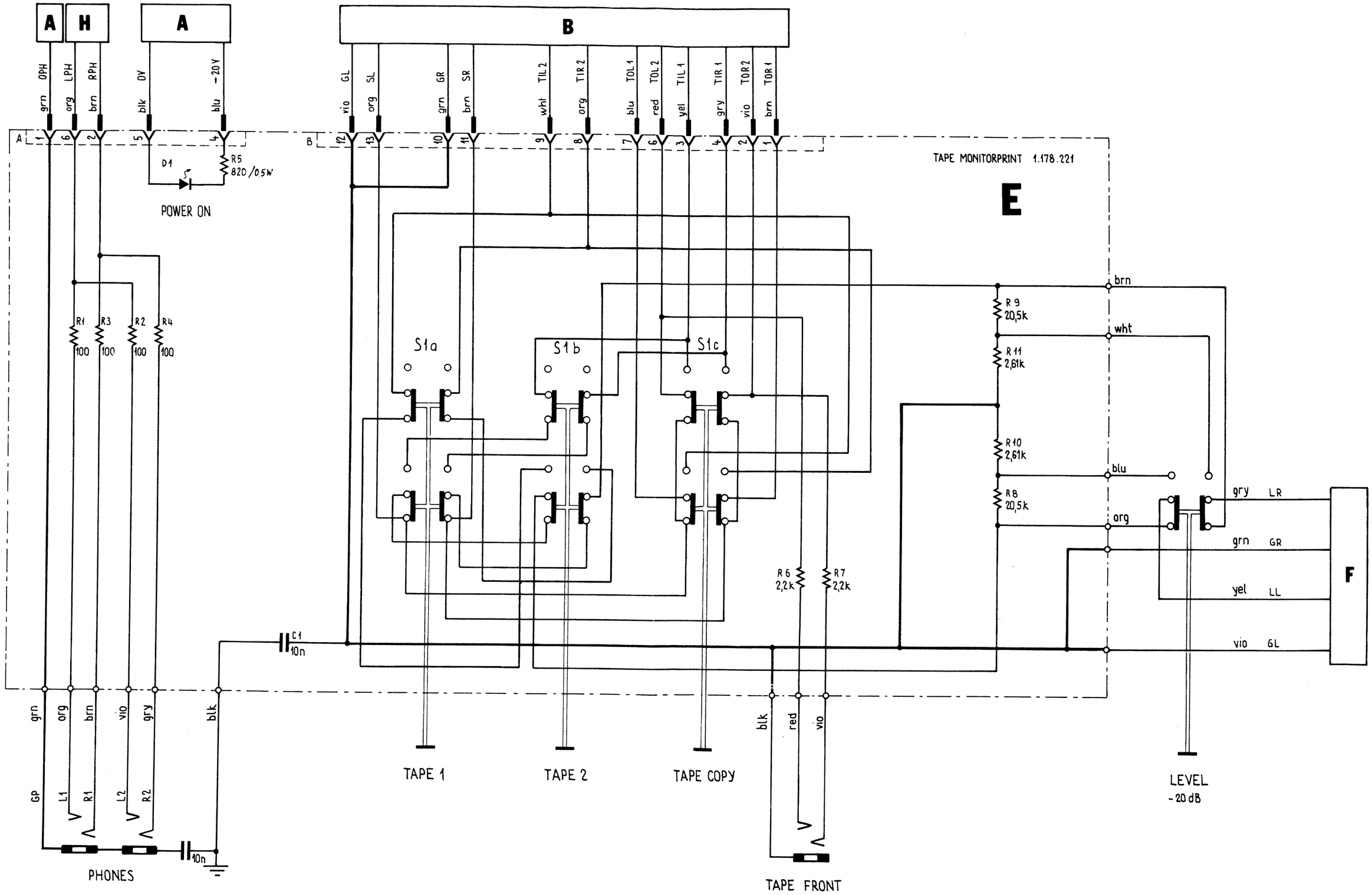
H

6B NC

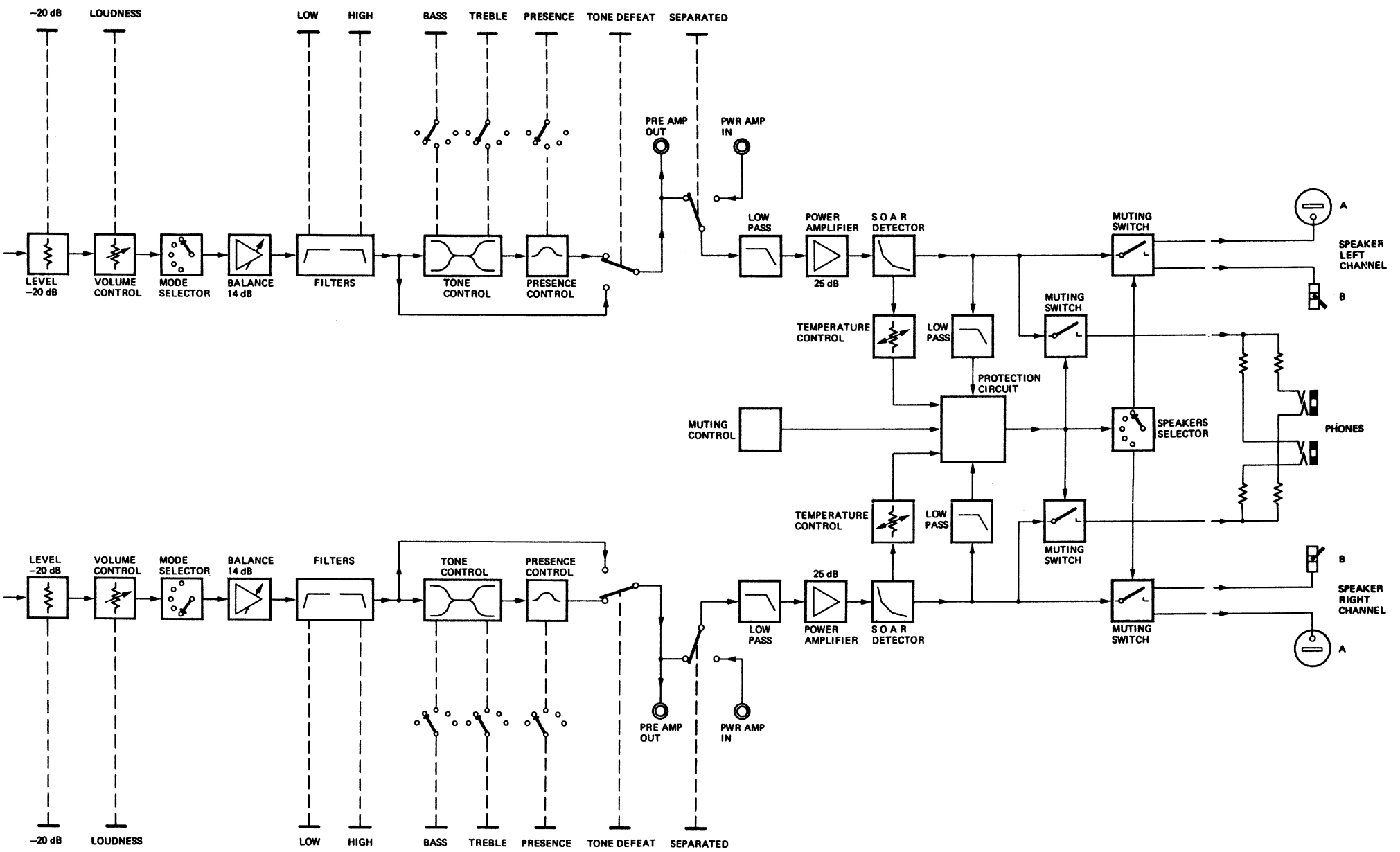
5B grn GPR 15 grn

I

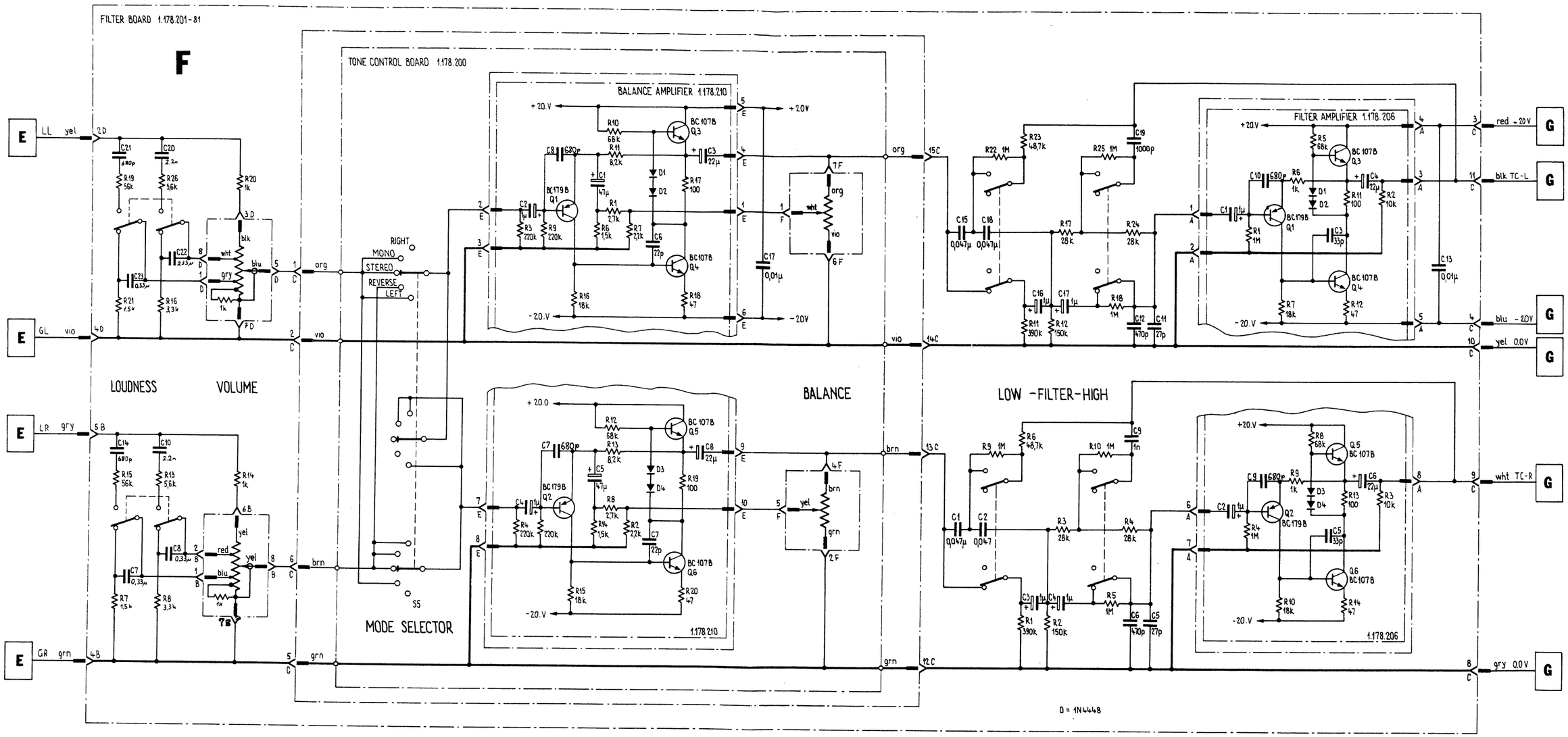
TONE CONTROL UNIT



TAPE MONITOR BOARD 1.178.221



B 750 BLOCK DIAGRAM

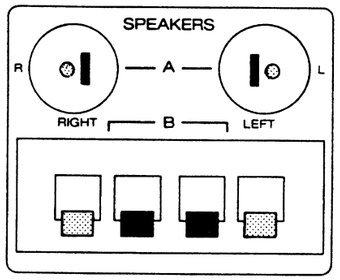


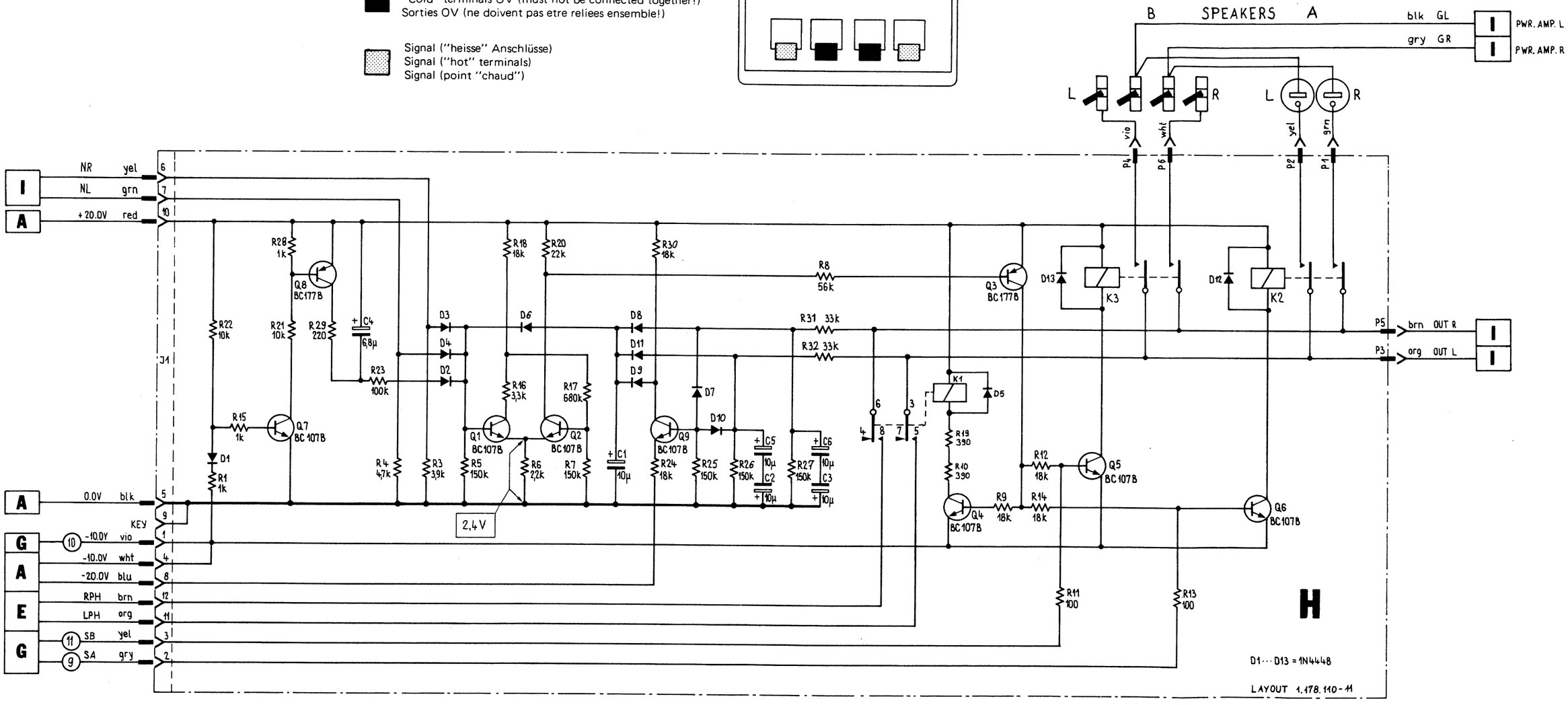
FILTER AND BALANCE AMPLIFIER UNIT

Lautsprecherpotentiale
Output potentials
Polarite des haut-parleurs

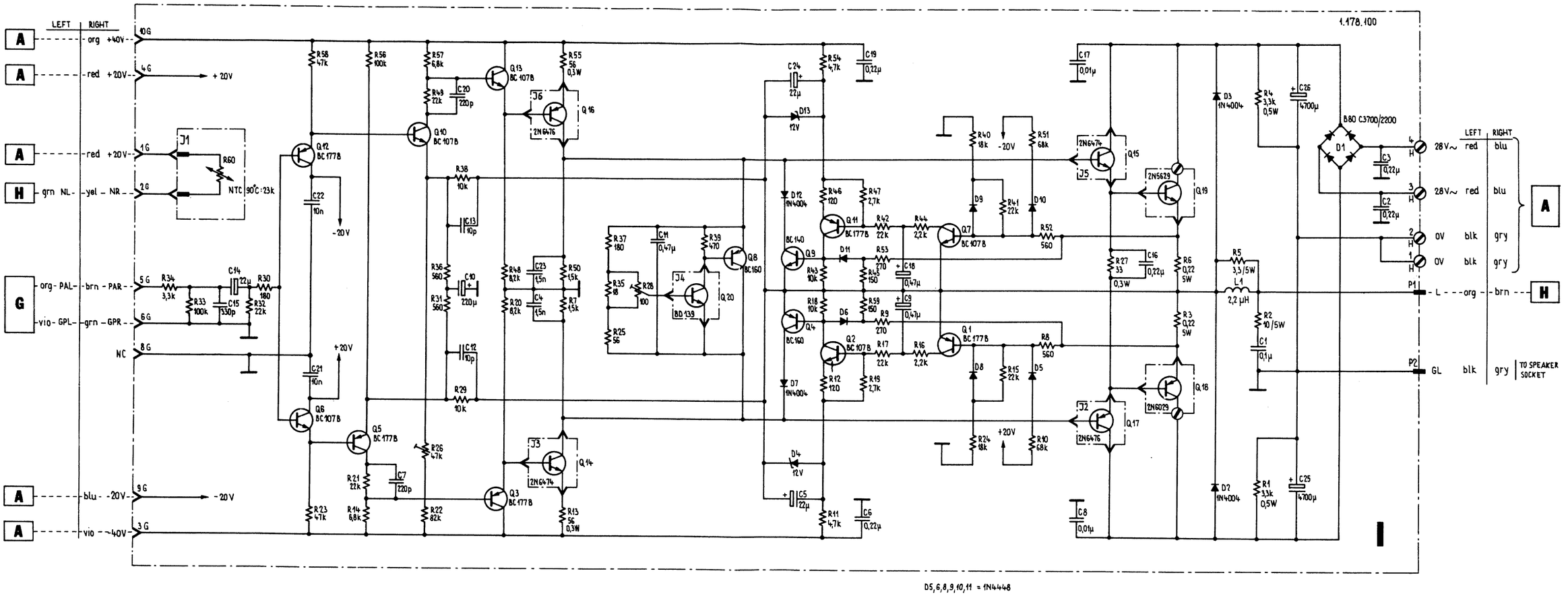
Potential OV (dürfen nicht miteinander verbunden werden!)
"Cold" terminals OV (must not be connected together!)
Sorties OV (ne doivent pas etre reliees ensemble!)

Signal ("heisse" Anschlüsse)
Signal ("hot" terminals)
Signal (point "chaud")

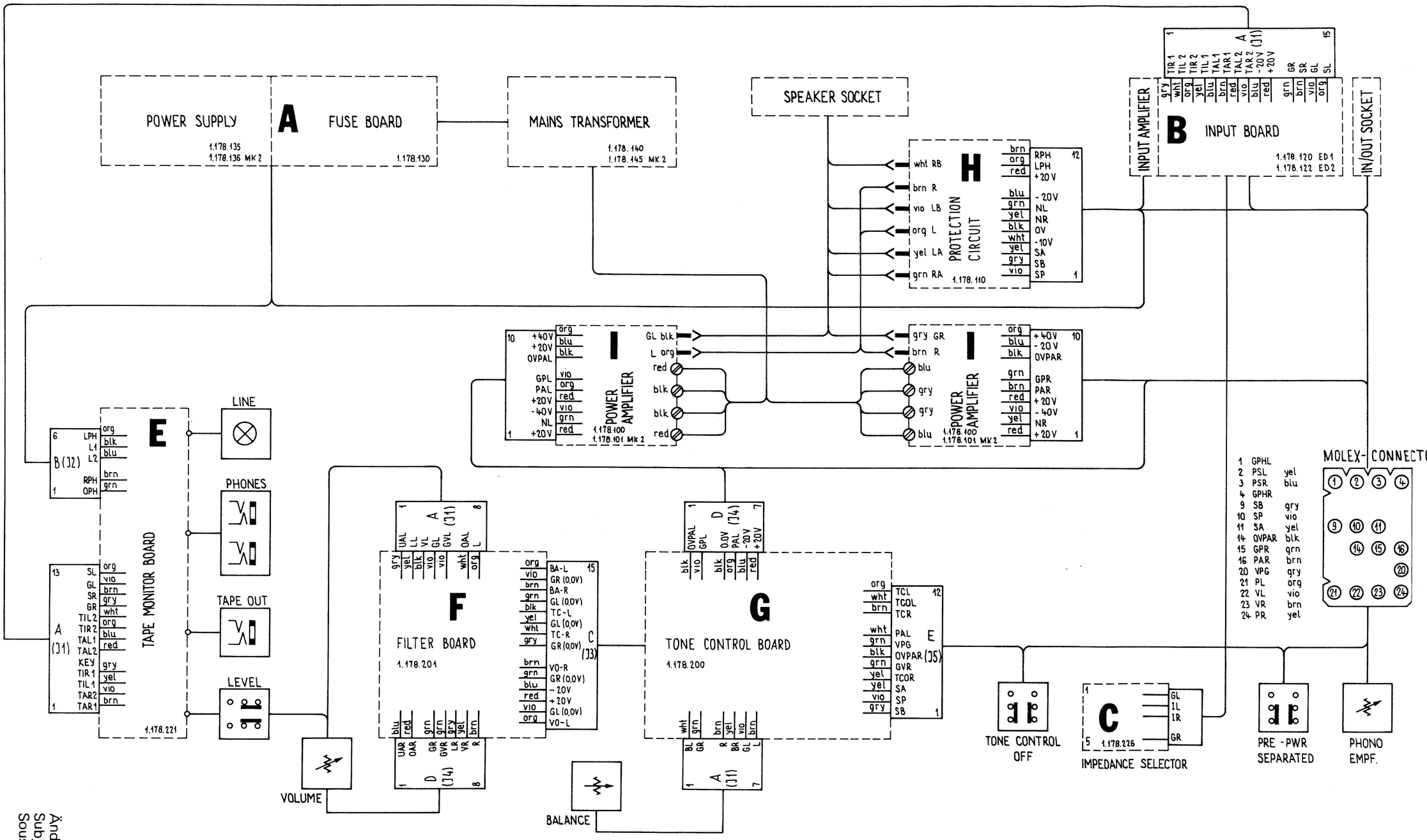




PROTECTION CIRCUIT 1.178.110



D5, 6, 8, 9, 10, 11 = 1N4448



WIRING DIAGRAM

Änderungen vorbehalten
Subject to change
Sous réserve de modification

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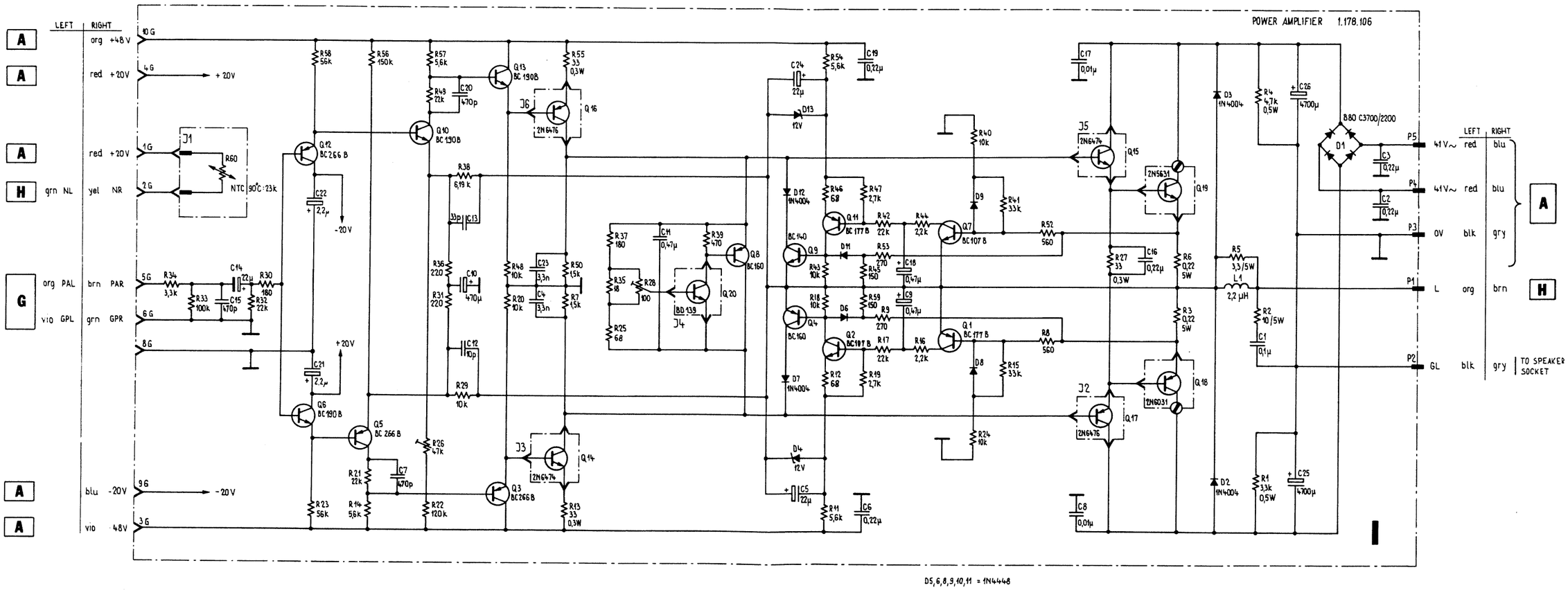

POWER AMPLIFIER UNIT MK II 1.178.101